

B. Claims

Please amend claims 1 and 6 and add claims 7 and 8 as follows. In accordance with the revised amendment format, a complete listing of all the claims appears below; this listing replaces all earlier amendments and listings of the claims.

1. (Currently Amended) A luminescence device comprising:
a pair of electrodes, and
at least one organic compound layer including an organic compound layer
comprising (a) a mixture of (a) a liquid crystal compound having an electronic carrier-
transporting function and a phosphorescent function and (b) an organic phosphorescent
compound,
wherein said organic phosphorescent compound is an organic metal
coordination compound having a heavy metal as a central metal, and
wherein phosphorescence attributable to said organic phosphorescent
compound is produced by passing a current between the pair of electrodes.

2. (Previously Presented) The luminescence device according to Claim 1,
wherein the liquid crystal compound is a compound assuming a smectic phase.

3. (Previously Presented) The luminescence device according to Claim 1,
wherein the liquid crystal compound is a compound assuming a discotic phase.

4. (Previously Presented) The luminescence device according to Claim 1, wherein the organic phosphorescent compound has a planar molecular skeleton.

5. (Cancelled).

6. (Currently Amended) A luminescence device comprising:
a pair of electrodes, and
at least one organic compound layer including an organic compound layer comprising a mixture of (a) a liquid crystal, as a host material, having a carrier-transporting function and a phosphorescent function and (b) an organic phosphorescent compound as a guest material,

wherein said organic phosphorescent compound is an organic metal coordination compound having a heavy metal as a central metal, and

wherein phosphorescence attributable to the said organic phosphorescent compound is produced by passing a current between the pair of electrodes.

7. (New) The device according to claim 1, wherein the liquid crystal compound is a triphenylene compound having a phosphorescent function.

8. (New) The device according to claim 6, wherein the liquid crystal compound is a triphenylene compound having a phosphorescent function.